

## Claims

What is claimed is:

1 1. A method of managing the locking of resources of a  
2 data repository, said method comprising:

3 determining a relationship between a plurality of  
4 resources of said data repository, wherein said  
5 relationship is at least one of a containment-based  
6 relationship and a reference-based relationship; and

locking at least one resource of said plurality of  
resources based on said relationship.

2. The method of claim 1, wherein said locking of said at least one resource is performed without locking at least one other resource of said plurality of resources.

1           3. The method of claim 1, wherein said locking of said  
2   at least one resource is further based on an operation to be  
3   performed.

1 4. A system of managing the locking of resources of a  
2 data repository, said system comprising:

3 means for determining a relationship between a  
4 plurality of resources of said data repository, wherein  
5 said relationship is at least one of a containment-  
6 based relationship and a reference-based relationship;  
7 and

8 means for locking at least one resource of said  
9 plurality of resources based on said relationship.

1 5. The system of claim 4, wherein said means for  
2 locking comprises means for locking said at least one  
3 resource without locking at least one other resource of said  
4 plurality of resources.

1 6. The system of claim 4, wherein said means for  
2 locking further comprises means for locking said at least  
3 one resource based on an operation to be performed.

1 7. At least one program storage device readable by a  
2 machine, tangibly embodying at least one program of  
3 instructions executable by the machine to perform a method  
4 of managing the locking of resources of a data repository,  
5 said method comprising:

6 determining a relationship between a plurality of  
7 resources of said data repository, wherein said  
8 relationship is at least one of a containment-based  
9 relationship and a reference-based relationship; and

10 locking at least one resource of said plurality of  
11 resources based on said relationship.

1 8. The at least one program storage device of claim 7,  
2 wherein said locking of said at least one resource is  
3 performed without locking at least one other resource of  
4 said plurality of resources.

1 9. The at least one program storage device of claim 7,  
2 wherein said locking of said at least one resource is  
3 further based on an operation to be performed.

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